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Morbidity and Mortality

Weekly
Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

Prepared by the

COMMUNICABLE DISEASE CENTER

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ATLANTA, GEORGIA 30333

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PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED JULY 20, 1963

ENCEPHALITIS - The 30 cases of infectious encephalitis for the week ending July 20 brings the total number of cases reported thus far in 1963 to 876. This closely parallels the reported incidence of encephalitis during comparable periods for the previous four years as shown in the table below:

Encephalitis - United States

	1963	1962	1961	1960	1959
24th through 29th week	212	209	179	234	247
1st through 29th week	876	888	837	926	845

The 10 cases in Florida, representing one-third of the cases reported this week, were all reported to be associated with mumps. No known outbreaks of

arthropod-borne encephalitis have been reported thus far in 1963.

A summary of 1962 encephalitis cases reported to the Encephalitis Surveillance Unit, CDC, is given on page 238).

POLIOMYELITIS - Eight cases of poliomyelitis, including 6 paralytic, were reported for the 29th week of 1963, bringing the cumulative total thus far this year to 121. This is less than one-half the number of cases (281) reported for the comparable period in 1962.

No new concentrations of cases have been noted. Florida and Ohio each reported two cases, widely separated within these States. Massachusetts, Pennsylvania, Minnesota, and Louisiana each reported one case.

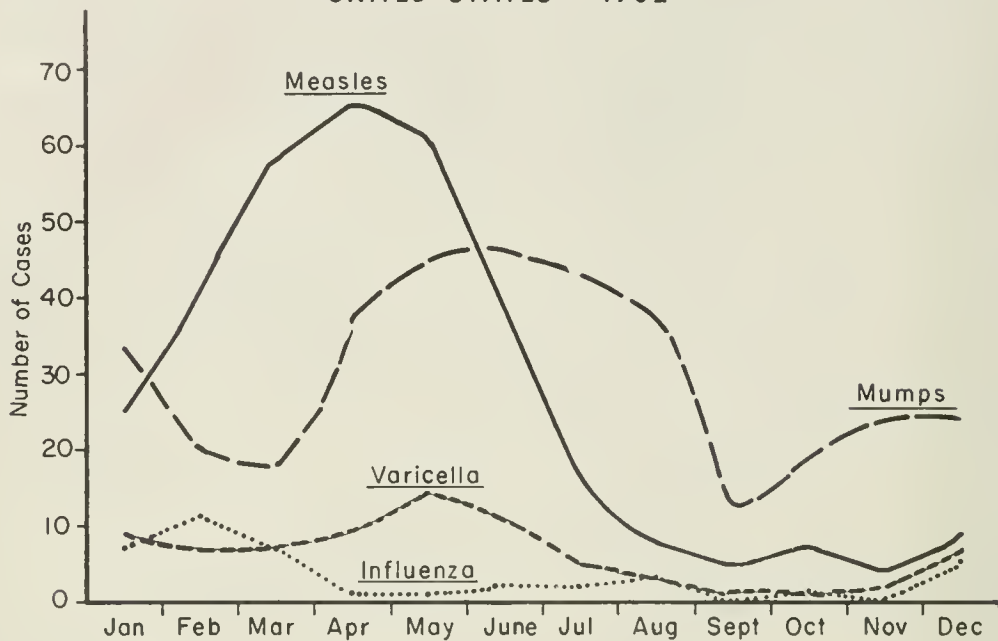
Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous week)

Disease	29th Week			Cumulative		
	Ended	Ended	Median	First 29 weeks		Median
	July 20, 1963	July 21, 1962	1958 - 1962	1963	1962	1958 - 1962
Aseptic meningitis.....	51	85	---	756	796	---
Brucellosis.....	13	10	14	201	232	432
Diphtheria.....	1	4	8	141	229	352
Encephalitis, infectious.....	30	33	46	876	888	862
Hepatitis, infectious and serum.....	634	857	647	25,425	33,881	20,964
Measles.....	3,521	3,730	4,057	348,206	431,529	382,618
Meningococcal infections.....	37	49	41	1,547	1,319	1,447
Poliomyelitis, total.....	8	29	112	121	281	724
Paralytic.....	6	24	74	99	213	528
Nonparalytic.....	1	5	27	13	47	142
Unspecified.....	1	-	11	9	21	54
Streptococcal sore throat and Scarlet fever.....	3,911	3,354	---	225,976	207,031	---
Tetanus.....	9	11	---	135	129	---
Tularemia.....	6	14	---	152	157	---
Typhoid fever.....	9	16	22	227	289	377
Typhus fever, tick-borne, (Rocky Mountain spotted).....	9	14	---	75	111	---
Rabies in Animals.....	71	69	72	2,234	2,395	2,257

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax: W. Va. - 1	Cum. 3	Psittacosis: Ill. - 3, Mass. - 1	Cum. 35
Botulism:	5	Rabies in Man:	-
Malaria: Hawaii - 1, Iowa - 1	51	Smallpox:	-
Plague:	-	Typhus, murine: Ky. - 3	11

ENCEPHALITIS ASSOCIATED WITH MEASLES, MUMPS, VARICELLA AND INFLUENZA UNITED STATES - 1962



EPIDEMIOLOGICAL REPORTS

Typhoid Fever - Pennsylvania Fallow-up Report

Investigations are continuing in the outbreak of typhoid fever at a religious camp in Pennsylvania, first reported in MMWR, Vol. 12, Page 230.

Of the 23 cases previously reported, 20 had attended the camp and one was a contact of an infected camper. Two cases occurred in unregistered teen-age cooks' helpers who were employed to assist in food preparation.

Dates of onset of illness were scattered from July 1-14, 1963. The clinical illness was characterized by fatigue, followed by headache, muscle-aches, fever, drenching sweats and abdominal pain. Diarrhea occurred late in the first week of illness. Four of the patients had splenomegaly; two, rose spots; and one, epistaxis. All patients had fevers of 104 to 105°F. early in their illness, with a relative bradycardia. Most patients had normal peripheral leucocyte counts. No complications have been noted to date and the patients have responded to chloramphenicol therapy.

Sixteen of the cases thus far studied have occurred among the 14 to 18 year age group which attended the first encampment in mid June. *Salmonella typhi* (phage type C₁) has been recovered from the stools of ten of the sixteen cultured.

Investigation of the source of infection is still in progress.

(Reported by W. D. Schrack, Jr., M.D., Director, Division of Communicable Diseases, Pennsylvania Department of Health, and an EIS Officer from the Communicable Disease Center.)

SURVEILLANCE SUMMARIES

Encephalitis, - Annual Summary - United States - 1962

During 1962 a total of 2,410 cases of encephalitis was reported to the Encephalitis Surveillance Unit, CDC. Classification of the 1962 cases by etiology appears in the table (page 239).

Of these 2,410 cases, 1,278 were classed as infectious, 7 as post vaccinal and 1,125 as of unknown cause. The post-vaccinal cases included six following smallpox vaccination and one following rabies immunization.

Among the 1,278 cases of infectious encephalitis reported, 270 were arthropod-borne encephalitis. Of these, 253 were St. Louis Encephalitis, the majority of which (231) occurred in a single large outbreak in the Tampa Bay area of Florida (See MMWR, Vol. 11, pp. 266, 274, 282, 290, and 330). Of the remaining 22 cases of SLE, 13 were reported from California, 7 from Florida (in areas distant from the Tampa Bay region), and one each from

ENCEPHALITIS CASES - UNITED STATES - 1962

ETIOLOGY	NO. CASES	PERCENT CASES
Infectious Encephalitis		
Mumps	358	14.8
Measles	337	14.0
Varicello	76	3.2
Influenza	40	1.6
Other*	197	8.2
Arthropod-Borne	270	11.2
TOTAL	1,278	53.0
Post Vaccinol	7	0.3
Etiology Unknown	1,125	46.7
TOTAL CASES	2,410	100.0

* Etiologies, reported for 36 cases, included ECHO 4, ECHO 8, Infectious Mononucleosis, Herpes, Pertussis, Coxsackie B-3, and B-4, and Lymphocytic Choriomeningitis. Remainder (161) reported as "unspecified."

Texas and Oregon. There were 17 human cases of Western Equine Encephalitis reported, 8 in Texas, 5 in California, 2 in New Mexico, and one each in Colorado and Utah. No known human cases of Eastern Equine Encephalitis were reported during 1962.

The frequency of cases of encephalitis associated with measles, mumps, varicella, and influenza, totaling 1,008, is similar to that of previous years. The 40 cases of influenza-associated encephalitis reported in 1962 reflects the epidemic of influenza Type B which occurred during the winter of 1961-62 (See MMWR, Vol. 11, Nos. 1-13). A distinctive seasonal pattern of incidence (See figure page 238) is also associated with reported cases of encephalitis following measles, mumps and varicella.

While the occurrence of post-infectious encephalitis is greatest during the spring and early summer months, arthropod-borne cases of encephalitis tend to be sharply concentrated in August and September, when 249 of the 270 cases in 1962 occurred. Cases of encephalitis with

cause unknown occur throughout the entire year and show a moderate increase in incidence from July through October; it is not known to what extent poliomyelitis, aseptic meningitis, arboviruses and other unknown causes contribute to these cases.

Leptospirosis - United States

The number of cases of human leptospirosis reported to NOVS and CDC annually from 1958 through 1962, and the number of States in which cases were reported, are shown in the table below. In 1962, a total of 76 cases of leptospirosis in man were reported from 25 of the States. This total was exceeded only in 1959 when 89 cases were reported. Forty of the 1959 cases, however, were accounted for by a single epidemic of *Leptospira pomona* infections among persons swimming in a contaminated area in Iowa. All other cases included in the table are presumably sporadic.

REPORTED CASES OF HUMAN LEPTOSPIROSIS - UNITED STATES
1958 - 1962

YEAR	NUMBER OF STATES* REPORTING CASES	TOTAL NUMBER OF* CASES REPORTED
1958	20	61
1959	24	89
1960	23	53
1961	20	71
1962	25	76**

* Hawaii prior to 1960.

** Provisional figure.

The distribution of cases by States for 1958-1962 is given in the map on page 244). A concentration of recognized human infections in Iowa and Hawaii is evident. Excluding the epidemic of 40 cases in 1959, Iowa

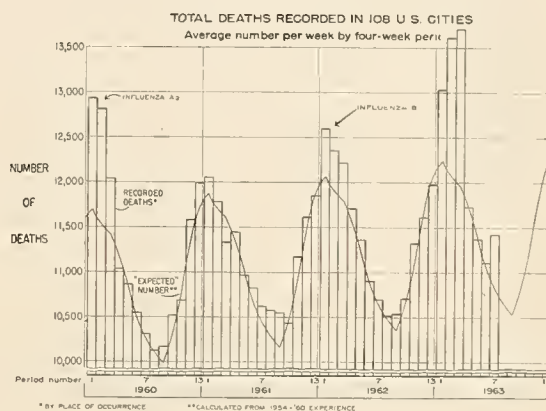
(Continued on page 244)

TOTAL DEATHS REPORTED IN 108 CITIES

The weekly average number of total deaths in 108 cities for the four-week period ending July 20 was 11,420 as compared with an expected weekly average of 10,818. The marked increase during the week ending July 13 was localized in the Middle Atlantic States.

TOTAL DEATHS RECORDED IN 108 U. S. CITIES

	WEEK ENDING				4 Week Total	Weekly Average
	6/29	7/6	7/13	7/20		
Observed	11,355	10,999	12,340	10,988	45,682	11,420
Expected	10,883	10,835	10,795	10,760	43,273	10,818
Excess	472	164	1,545	228	2,409	602



(See table, page 243)

Morbidity and Mortality Weekly Report

Table 3 CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

----- JULY 20, 1963 AND JULY 21, 1962 -----

Area	Poliomyelitis, total cases				Poliomyelitis, paralytic				Poliomyelitis, nonparalytic		Aseptic Meningitis	
	29th week		Cumulative First 29 weeks		29th week		Cumulative First 29 weeks		29th week		29th week	
	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962
UNITED STATES.....	8	29	121	281	6	24	99	213	1	5	51	85
NEW ENGLAND.....	1	1	1	4	1	1	1	4	-	-	1	1
Maine.....	-	-	-	-	-	-	-	-	-	-	1	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	1	1	1	3	1	1	1	3	-	-	-	1
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	-	1	-	-	-	1	-	-	-	-
MIDDLE ATLANTIC.....	1	3	33	39	1	3	25	26	-	-	2	1
New York.....	-	1	5	35	-	1	5	22	-	-	1	-
New Jersey.....	-	1	1	3	-	1	1	3	-	-	-	-
Pennsylvania.....	1	1	27	1	1	1	19	1	-	-	1	1
EAST NORTH CENTRAL.....	2	1	20	14	-	1	13	9	1	-	10	8
Ohio.....	2	-	7	5	-	-	3	5	1	-	6	4
Indiana.....	-	-	2	3	-	-	1	2	-	-	-	-
Illinois.....	-	1	7	5	-	1	6	2	-	-	2	2
Michigan.....	-	-	2	-	-	-	2	-	-	-	-	1
Wisconsin.....	-	-	2	1	-	-	1	-	-	-	2	1
WEST NORTH CENTRAL.....	1	-	4	13	1	-	4	7	-	-	1	3
Minnesota.....	1	-	3	3	1	-	3	3	-	-	-	3
Iowa.....	-	-	-	5	-	-	-	2	-	-	-	-
Missouri.....	-	-	1	5	-	-	1	2	-	-	1	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	2	-	15	16	2	-	12	13	-	-	2	6
Delaware.....	-	-	-	-	-	-	-	-	-	-	2	-
Maryland.....	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia..	-	-	-	1	-	-	-	-	-	-	-	-
Virginia.....	-	-	2	2	-	-	1	2	-	-	-	3
West Virginia.....	-	-	1	3	-	-	1	3	-	-	-	-
North Carolina.....	-	-	3	2	-	-	3	2	-	-	-	-
South Carolina.....	-	-	3	-	-	-	2	-	-	-	-	-
Georgia.....	-	-	1	2	-	-	-	2	-	-	-	-
Florida.....	2	-	5	6	2	-	5	4	-	-	-	3
EAST SOUTH CENTRAL.....	-	-	17	10	-	-	15	6	-	-	5	16
Kentucky.....	-	-	-	5	-	-	-	3	-	-	3	-
Tennessee.....	-	-	4	3	-	-	4	1	-	-	-	9
Alabama.....	-	-	11	2	-	-	9	2	-	-	2	-
Mississippi.....	-	-	2	-	-	-	2	-	-	-	-	7
WEST SOUTH CENTRAL.....	1	19	17	144	1	14	17	113	-	5	4	24
Arkansas.....	-	-	1	1	-	-	1	1	-	-	1	-
Louisiana.....	1	-	14	8	1	-	14	7	-	-	-	-
Oklahoma.....	-	-	-	2	-	-	-	-	-	-	1	2
Texas.....	-	19	2	133	-	14	2	105	-	5	2	22
MOUNTAIN.....	-	-	-	9	-	-	-	7	-	-	4	1
Montana.....	-	-	-	3	-	-	-	2	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	1	-	-	-	1	-	-	-	-
Colorado.....	-	-	-	1	-	-	-	-	-	-	3	-
New Mexico.....	-	-	-	-	-	-	-	-	-	-	-	-
Arizona.....	-	-	-	3	-	-	-	3	-	-	1	1
Utah.....	-	-	-	1	-	-	-	1	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	-	5	14	32	-	5	12	28	-	-	22	25
Washington.....	-	-	-	-	-	-	-	-	-	-	1	-
Oregon.....	-	3	2	5	-	3	1	5	-	-	-	1
California.....	-	2	12	27	-	2	11	23	-	-	21	24
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	-	1	4	9	-	1	4	9	-	-	-	-

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

- JULY 20, 1963 AND JULY 21, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, infectious		Hepatitis, infectious and serum				Measles	
	29th week	Cumulative 29 weeks	29th week	Cumulative 29 weeks	29th week		29th week			29th week		
							Under 20 yr.	20 & over	Total			
1963	1963	1963	1963	1963	1962	1963	1963	1963	1962	1963	1962	
UNITED STATES.....	13	201	1	141	30	33	309	292	634	857	3,521	3,730
NEW ENGLAND.....	-	-	-	7	1	1	32	23	61	49	122	415
Maine.....	-	-	-	-	-	-	15	4	19	20	8	41
New Hampshire.....	-	-	-	-	-	-	5	1	6	-	-	-
Vermont.....	-	-	-	-	-	-	2	-	2	-	25	30
Massachusetts.....	-	-	-	5	-	1	8	11	22	22	45	254
Rhode Island.....	-	-	-	2	-	-	-	-	1	-	6	25
Connecticut.....	-	-	-	-	1	-	2	7	11	7	38	65
MIDDLE ATLANTIC.....	-	5	-	21	7	10	63	67	130	139	676	730
New York.....	-	3	-	13	4	7	33	36	69	66	417	443
New Jersey.....	-	-	-	3	-	-	13	12	25	22	96	203
Pennsylvania.....	-	2	-	5	3	3	17	19	36	51	163	84
EAST NORTH CENTRAL.....	2	18	-	17	2	2	52	37	92	188	977	846
Ohio.....	-	-	-	1	1	1	14	16	31	43	232	101
Indiana.....	2	5	-	4	-	-	1	3	4	16	37	81
Illinois.....	-	10	-	7	1	-	9	2	12	52	57	88
Michigan.....	-	2	-	3	-	1	28	16	44	67	393	390
Wisconsin.....	-	1	-	2	-	-	-	-	1	10	258	186
WEST NORTH CENTRAL.....	4	126	1	37	1	2	14	10	24	61	46	55
Minnesota.....	1	8	-	15	-	2	2	1	3	14	2	5
Iowa.....	2	92	-	1	-	-	3	4	7	15	34	16
Missouri.....	-	7	-	1	-	-	6	3	9	7	3	5
North Dakota.....	-	-	-	1	-	-	-	-	-	13	7	24
South Dakota.....	1	8	1	11	-	-	-	-	-	-	-	5
Nebraska.....	-	5	-	8	-	-	-	2	2	5	-	-
Kansas.....	-	6	-	-	1	-	3	-	3	7	NN	NN
SOUTH ATLANTIC.....	-	8	-	29	11	5	35	17	53	100	287	432
Delaware.....	-	-	-	-	-	-	2	-	2	2	17	224
Maryland.....	-	-	-	-	-	-	5	1	6	17	39	31
District of Columbia.....	-	-	-	-	-	-	-	3	3	-	1	2
Virginia.....	-	3	-	-	-	2	4	2	6	14	95	69
West Virginia.....	-	-	-	1	-	1	6	-	7	8	101	47
North Carolina.....	-	1	-	1	-	-	11	7	18	27	11	6
South Carolina.....	-	-	-	9	-	-	2	1	3	3	8	2
Georgia.....	-	3	-	10	1	-	-	-	-	3	-	-
Florida.....	-	1	-	8	10	2	5	3	8	26	15	51
EAST SOUTH CENTRAL.....	2	10	-	10	1	2	33	17	52	78	239	185
Kentucky.....	1	3	-	-	-	-	7	6	15	18	168	26
Tennessee.....	1	5	-	2	1	1	11	6	17	21	63	138
Alabama.....	-	2	-	8	-	-	11	4	15	26	3	9
Mississippi.....	-	-	-	-	-	1	4	1	5	13	5	12
WEST SOUTH CENTRAL.....	5	20	-	17	-	-	28	21	51	61	351	210
Arkansas.....	1	4	-	1	-	-	8	-	8	9	200	-
Louisiana.....	1	3	-	2	-	-	4	3	7	4	-	6
Oklahoma.....	1	5	-	6	-	-	1	3	4	4	3	1
Texas.....	2	8	-	8	-	-	15	15	32	44	148	203
MOUNTAIN.....	-	7	-	1	1	1	3	7	26	43	248	367
Montana.....	-	-	-	-	-	-	1	1	2	5	39	77
Idaho.....	-	-	-	-	-	-	-	-	8	4	26	50
Wyoming.....	-	1	-	-	-	-	-	1	1	-	1	6
Colorado.....	-	-	-	-	-	-	1	1	7	6	78	158
New Mexico.....	-	-	-	1	-	-	1	3	4	4	NN	NN
Arizona.....	-	3	-	-	1	1	-	-	3	11	85	76
Utah.....	-	3	-	-	-	-	-	1	1	13	19	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	-	7	-	2	6	10	49	93	145	138	575	490
Washington.....	-	-	-	-	-	2	20	16	38	17	38	31
Oregon.....	-	2	-	-	-	-	1	7	9	11	54	113
California.....	-	4	-	2	6	7	23	45	68	100	299	237
Alaska.....	-	-	-	-	-	1	5	22	27	10	115	1
Hawaii.....	-	1	-	-	-	-	-	3	3	-	69	108
Puerto Rico.....	-	-	-	10	-	-	18	4	22	10	9	40

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

JULY 20, 1963 AND JULY 21, 1962 - (Continued) -

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	29th wk.	Cumulative 29 weeks	29th week		29th wk.	29th wk.	29th wk.	29th wk.	Cumulative 29 weeks	29th week		Cumulative 29 weeks
	1963	1963	1963	1962	1963	1963	1963	1963	1963	1963	1962	1963
UNITED STATES....	37	1,547	3,911	3,354	9	9	6	9	227	71	69	2,234
NEW ENGLAND.....	2	95	316	236	-	-	-	-	6	-	-	24
Maine.....	-	16	51	32	-	-	-	-	-	-	-	1
New Hampshire.....	-	4	19	1	-	-	-	-	-	-	-	12
Vermont.....	-	3	15	9	-	-	-	-	1	-	-	10
Massachusetts.....	2	44	27	25	-	-	-	-	4	-	-	1
Rhode Island.....	-	9	27	16	-	-	-	-	-	-	-	-
Connecticut.....	-	19	177	153	-	-	-	-	1	-	-	-
MIDDLE ATLANTIC....	7	213	136	100	-	-	-	1	53	4	5	68
New York.....	1	96	124	79	-	-	-	1	18	2	5	51
New Jersey.....	2	31	3	8	-	-	-	-	2	-	-	-
Pennsylvania.....	4	86	9	13	-	-	-	-	33	2	-	17
EAST NORTH CENTRAL..	3	241	197	320	1	2	-	2	15	6	7	372
Ohio.....	2	71	17	32	-	2	-	2	6	4	-	227
Indiana.....	1	31	14	93	-	-	-	-	1	1	3	36
Illinois.....	-	41	62	38	1	-	-	-	5	1	3	55
Michigan.....	-	71	64	105	-	-	-	-	1	-	-	32
Wisconsin.....	-	27	40	52	-	-	-	-	2	-	1	22
WEST NORTH CENTRAL..	3	92	82	57	1	1	3	1	13	23	16	552
Minnesota.....	1	19	2	5	-	-	-	-	3	3	4	137
Iowa.....	-	5	31	19	-	-	-	-	1	11	4	212
Missouri.....	1	31	-	-	-	1	1	1	7	3	4	98
North Dakota.....	-	4	46	30	-	-	-	-	-	2	1	19
South Dakota.....	-	5	1	3	-	-	-	-	1	-	1	59
Nebraska.....	1	20	-	-	1	-	-	-	1	3	2	17
Kansas.....	-	8	2	-	-	-	2	-	-	1	-	10
SOUTH ATLANTIC.....	5	291	273	418	3	5	-	2	37	7	15	328
Delaware.....	-	2	4	-	-	-	-	-	1	1	-	1
Maryland.....	-	44	12	9	1	-	-	1	4	-	-	-
Dist. of Columbia..	-	4	-	1	-	-	-	-	-	-	-	-
Virginia.....	2	71	72	86	1	5	-	-	5	1	5	120
West Virginia.....	1	16	72	83	-	-	-	-	6	2	8	96
North Carolina.....	-	51	21	4	-	-	-	-	5	-	-	5
South Carolina.....	-	13	22	91	-	-	-	-	2	-	-	6
Georgia.....	-	22	1	-	-	-	-	-	2	-	-	40
Florida.....	2	68	69	144	1	-	-	1	12	3	2	60
EAST SOUTH CENTRAL..	2	119	834	692	1	1	-	-	21	6	4	181
Kentucky.....	-	25	148	40	-	-	-	-	1	3	3	85
Tennessee.....	2	53	615	603	1	1	-	-	14	2	1	80
Alabama.....	-	21	1	2	-	-	-	-	4	1	-	16
Mississippi.....	-	20	70	47	-	-	-	-	2	-	-	-
WEST SOUTH CENTRAL..	3	153	647	422	3	-	3	1	37	12	15	437
Arkansas.....	-	10	-	-	-	-	3	-	17	2	3	32
Louisiana.....	1	63	6	1	1	-	-	1	8	-	2	37
Oklahoma.....	-	29	13	18	-	-	-	-	3	2	-	35
Texas.....	2	51	628	403	2	-	-	-	9	8	10	333
MOUNTAIN.....	-	52	888	634	-	-	-	-	6	6	1	53
Montana.....	-	3	30	6	-	-	-	-	-	-	-	-
Idaho.....	-	4	68	43	-	-	-	-	-	-	-	-
Wyoming.....	-	4	11	10	-	-	-	-	-	-	-	-
Colorado.....	-	12	359	156	-	-	-	-	3	4	-	6
New Mexico.....	-	4	255	243	-	-	-	-	1	-	1	21
Arizona.....	-	8	92	107	-	-	-	-	2	2	-	26
Utah.....	-	14	73	69	-	-	-	-	-	-	-	-
Nevada.....	-	3	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	12	291	538	475	-	-	-	2	39	7	6	219
Washington.....	-	21	66	32	-	-	-	1	1	-	-	-
Oregon.....	2	20	16	1	-	-	-	-	2	-	2	1
California.....	6	231	404	425	-	-	-	1	33	7	4	209
Alaska.....	3	11	18	9	-	-	-	-	1	-	-	9
Hawaii.....	1	8	34	7	-	-	-	-	2	-	-	-
Puerto Rico.....	-	5	9	1	1	-	-	-	11	-	2	9

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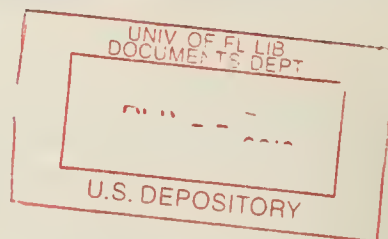
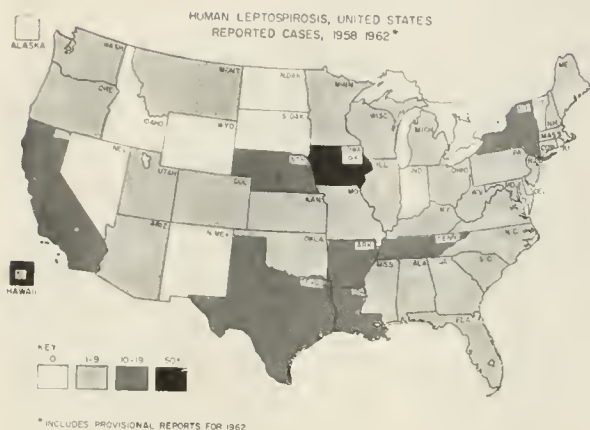
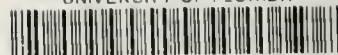
Table 4 (A). TOTAL DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.)^o

Area	For weeks ending				Area	For weeks ending			
	6/29	7/6	7/13	7/20		6/29	7/6	7/13	7/20
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.	245	249	241	224	Atlanta, Ga.	114	91	115	137
Bridgeport, Conn.	43	67	45	45	Baltimore, Md.	211	261	302	264
Cambridge, Mass.	35	30	19	29	Charlotte, N.C.	26	35	51	39
Fall River, Mass.	31	26	43	25	Jacksonville, Fla.	75	44	65	54
Hartford, Conn.	45	57	35	68	Miami, Fla.	100	47	85	78
Lowell, Mass.	22	40	16	18	Norfolk, Va.	46	47	59	61
Lynn, Mass.	30	29	14	24	Richmond, Va.	84	89	69	78
New Bedford, Mass.	25	27	40	24	Savannah, Ga.	28	27	47	14
New Haven, Conn.	53	28	66	54	St. Petersburg, Fla.	79	62	69	60
Providence, R.I.	74	81	58	42	Tampa, Fla.	68	83	77	67
Somerville, Mass.	13	14	16	15	Washington, D.C.	186	188	226	169
Springfield, Mass.	40	41	67	43	Wilmington, Del.	39	22	77	34
Waterbury, Conn.	29	25	23	23	EAST SOUTH CENTRAL:				
Worcester, Mass.	50	70	57	43	Birmingham, Ala.	95	67	86	71
MIDDLE ATLANTIC:					Chattanooga, Tenn.	58	30	48	35
Albany, N.Y.	44	48	29	39	Knoxville, Tenn.	36	13	40	23
Allentown, Pa.	38	36	25	22	Louisville, Ky.	124	104	136	92
Buffalo, N.Y.	132	174	166	133	Memphis, Tenn.	110	106	104	95
Camden, N.J.	48	28	72	37	Mobile, Ala.	29	42	41	48
Elizabeth, N.J.	26	37	61	31	Montgomery, Ala.	41	6	52	25
Erie, Pa.	32	48	42	38	Nashville, Tenn.	78	62	121	89
Jersey City, N.J.	68	72	113	74	WEST SOUTH CENTRAL:				
Newark, N.J.	114	100	126	99	Austin, Tex.	28	31	41	39
New York City, N.Y.	1,761	2,066	1,788	1,525	Baton Rouge, La.	25	23	39	36
Paterson, N.J.	40	60	36	48	Corpus Christi, Tex.	17	18	27	26
Philadelphia, Pa.	446	448	489	510	Dallas, Tex.	128	134	136	106
Pittsburgh, Pa.	249	149	189	243	El Paso, Tex.	40	29	31	48
Reading, Pa.	54	39	44	42	Fort Worth, Tex.	56	64	97	75
Rochester, N.Y.	111	101	85	100	Houston, Tex.	211	119	182	203
Schenectady, N.Y.	15	34	17	25	Little Rock, Ark.	47	31	51	74
Scranton, Pa.	44	44	49	32	New Orleans, La.	156	147	182	176
Syracuse, N.Y.	61	73	63	50	Oklahoma City, Okla.	63	41	96	69
Trenton, N.J.	39	30	77	47	San Antonio, Tex.	105	76	98	93
Utica, N.Y.	26	27	38	35	Shreveport, La.	50	56	43	55
Yonkers, N.Y.	30	34	38	34	Tulsa, Okla.	67	45	52	49
EAST NORTH CENTRAL:					MOUNTAIN:				
Akron, Ohio.	65	51	76	46	Albuquerque, N. Mex.	28	31	28	33
Canton, Ohio.	29	36	41	35	Colorado Springs, Colo.	11	17	35	17
Chicago, Ill.	672	718	748	676	Denver, Colo.	105	108	143	132
Cincinnati, Ohio.	150	133	176	150	Ogden, Utah.	24	16	33	6
Cleveland, Ohio.	182	207	237	201	Phoenix, Ariz.	82	74	96	68
Columbus, Ohio.	139	103	132	95	Pueblo, Colo.	10	18	17	15
Dayton, Ohio.	77	89	82	88	Salt Lake City, Utah.	37	48	71	67
Detroit, Mich.	349	474	308	334	Tucson, Ariz.	55	47	42	37
Evansville, Ind.	53	37	41	34	PACIFIC:				
Flint, Mich.	47	31	42	36	Berkeley, Calif.	18	16	22	11
Fort Wayne, Ind.	48	34	42	45	Fresno, Calif.	58	51	50	38
Gary, Ind.	39	30	55	23	Glendale, Calif.	40	34	35	38
Grand Rapids, Mich.	38	43	55	35	Honolulu, Hawaii.	55	34	44	40*
Indianapolis, Ind.	151	136	155	142	Long Beach, Calif.	59	42	67	58
Madison, Wis.	27	17	41	31	Los Angeles, Calif.	510	400	522	519
Milwaukee, Wis.	119	97	135	103	Oakland, Calif.	113	78	98	100
Peoria, Ill.	21	37	20	27	Pasadena, Calif.	42	32	32	30
Rockford, Ill.	30	33	29	25*	Portland, Oreg.	125	74	139	122
South Bend, Ind.	54	31	37	52	Sacramento, Calif.	62	49	68	66
Toledo, Ohio.	80	98	125	83	San Diego, Calif.	95	72	112	90
Youngstown, Ohio.	78	46	53	67	San Francisco, Calif.	186	174	202	161
WEST NORTH CENTRAL:					San Jose, Calif.	28	34	43	39
Des Moines, Iowa.	55	33	94	48	Seattle, Wash.	113	114	144	120
Duluth, Minn.	29	16	24	28	Spokane, Wash.	59	37	62	48
Kansas City, Kans.	49	28	29	24	Tacoma, Wash.	36	32	56	40
Kansas City, Mo.	135	143	191	140	San Juan, P.R.	29	31	23	30
Lincoln, Nebr.	38	35	34	20	^o Current Week Mortality for 108 Selected Cities				
Minneapolis, Minn.	109	125	121	120	4(A) Total Mortality, all ages.	10,988			
Omaha, Nebr.	69	38	71	80	4(B) Pneumonia-Influenza Deaths, all ages.	369			
St. Louis, Mo.	248	219	252	221	4(C) Total Deaths under 1 Year of Age.	732			
St. Paul, Minn.	75	60	74	58	4(D) Total Deaths, Persons 65 years and over.	6,197			
Wichita, Kans.	49	37	57	81					

*Estimate - based on average percent of divisional total.
Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.



and Hawaii still account for 18 and 16 percent, respectively, of the remaining 310 cases. The number of cases by year for each of these States is shown below:

	1962	1961	1960	1959	1958
Iowa	9	22	0	49	15
Hawaii	32	4	5	6	6

The increase in reported cases in Hawaii appears to be due to more extensive serological testing of humans initiated during 1962 on the island of Hawaii, where widespread infection of small mammals by *Leptospira icterohaemorrhagiae* has been found.

The number of deaths attributed to leptospirosis in the United States from 1958 through 1960 totaled 36. This represents a death to case ratio of 18 percent on the basis of the 203 cases reported for those 3 years. Lack of recognition of the milder infections undoubtedly is responsible for the apparent high fatality.

INTERNATIONAL NOTES - QUARANTINE MEASURES

Cholera - All travelers to the far East are advised to have a valid cholera vaccination certificate. Quarantine authorities of all countries concerned are imposing restrictions because of the spread of the disease. Infected areas, officially reported, include Burma, Indonesia, Macao, Malaya, East Pakistan, Philippines, and Sarawak.

Smallpox - Poland

Poland declared Wroclaw infected with smallpox on July 16. A total of 6 cases were reported as of July 17.

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HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
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